

# Towards a continental Open Science Vision:

## Decolonising Open Science Symposium: Scholarly Communication



THE **AFRICAN**  
OPEN SCIENCE  
PLATFORM

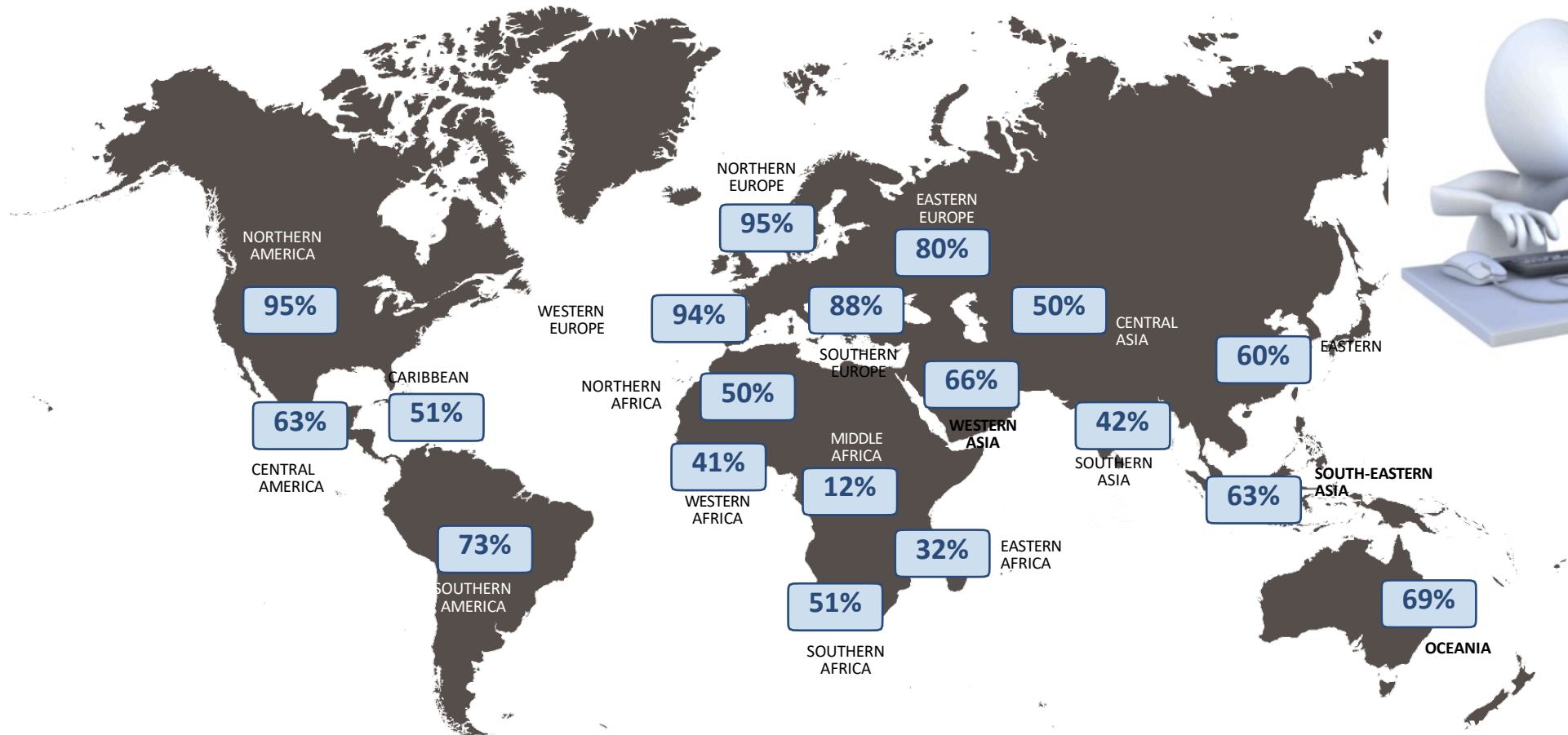
**Dr Nokuthula Mchunu**  
Deputy Director, African Open Science Platform

# The African Reality with Opportunity

- Population: **1.3 billion**
- Percentage of Global Population: **17%**
- Economically Active Population: **37%**
- Female Population: **50%**
- Urbanised Population: **43%**
- Median Age: **19 years**
- GDP Growth Rate: **4%**
- Population living on \$1.90/day: **>40%**



# Internet Penetration by Region - 2019

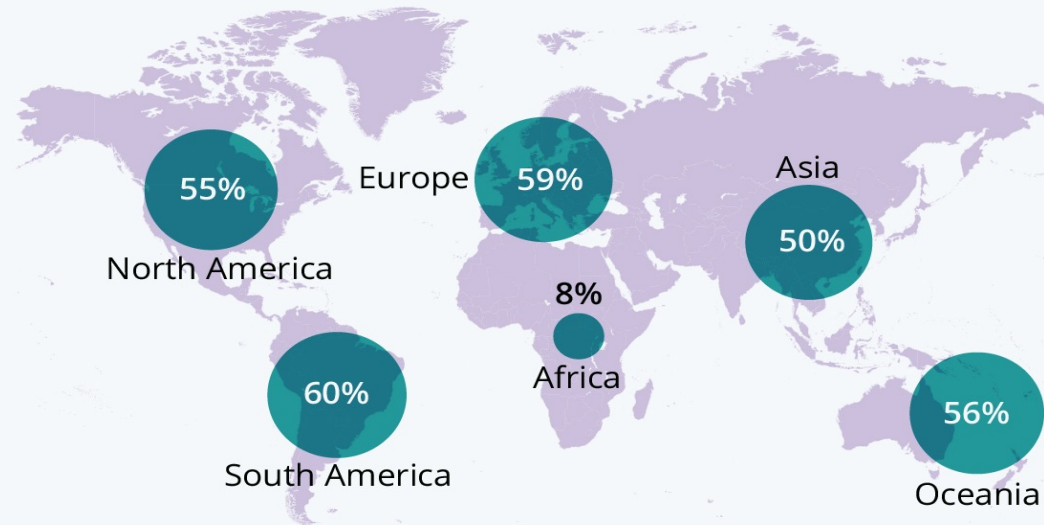


SOURCES: INTERNETWORLDSTATS; ITU; WORLD BANK; CIA WORLD FACTBOOK; EUROSTAT; LOCAL GOVERNMENT BODIES AND REGULATORY AUTHORITIES; MIDEASTMEDIA.ORG; REPORTS IN REPUTABLE MEDIA; SOCIAL MEDIA PLATFORM USER NUMBERS. NOTE: PENETRATION FIGURES ARE BASED ON TOTAL POPULATION, REGARDLESS OF AGE. REGIONS AS DEFINED BY THE UNITED NATIONS GEOScheme.

# Access to innovation products - 2021

## The Uneven Covid-19 Vaccine Rollout

Share of world population fully-vaccinated against Covid-19, by region\*



\* received all doses prescribed by the vaccination protocol.  
As of December 6, 2021.

Source: Our World in Data



statista



# It's time to challenge the power and influence of university rankings



University rankings have reached their expiry date.

By **ADRIAN BARNETT**, **MARTIN BETTS** and **ELIZABETH GADD**

10:24PM DECEMBER 6, 2023

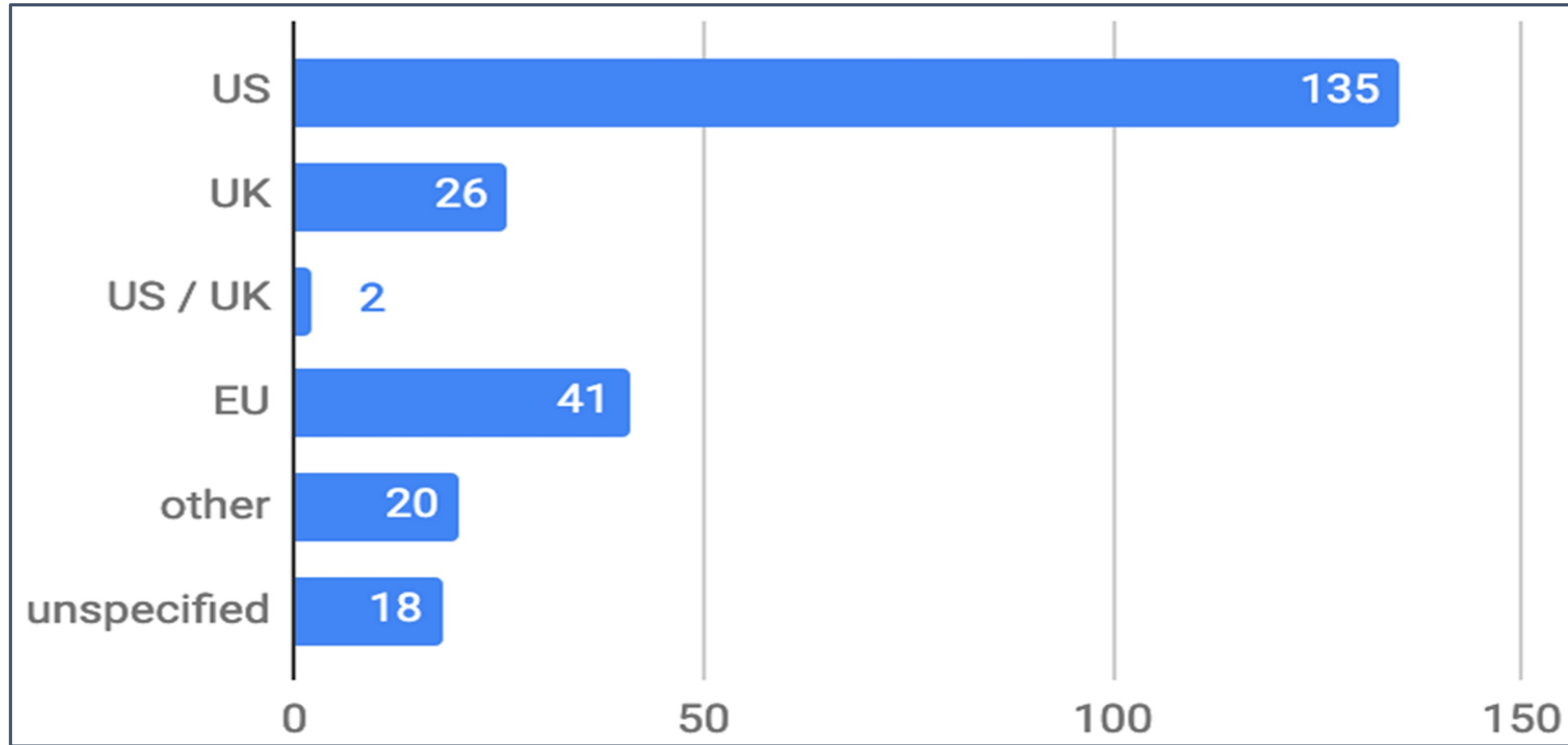


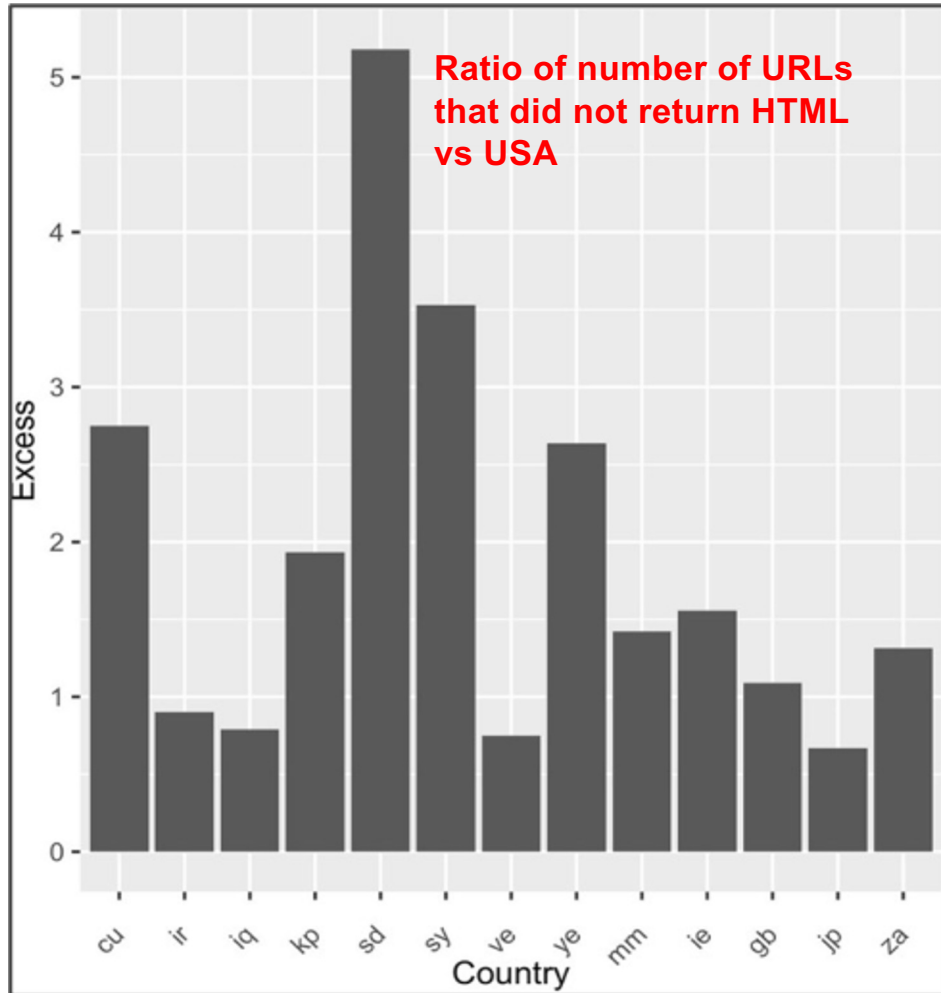
<https://www.theaustralian-com-au.cdn.ampproject.org/c/s/www.theaustralian.com.au/higher-education/its-time-to-challenge-the-power-and-influence-of-university-rankings/news-story/42d526bc4c6ec1a532c73d0073177ebf?amp>

# Rethinking the “A” in FAIR: Issues of Data Access and Accessibility in Research

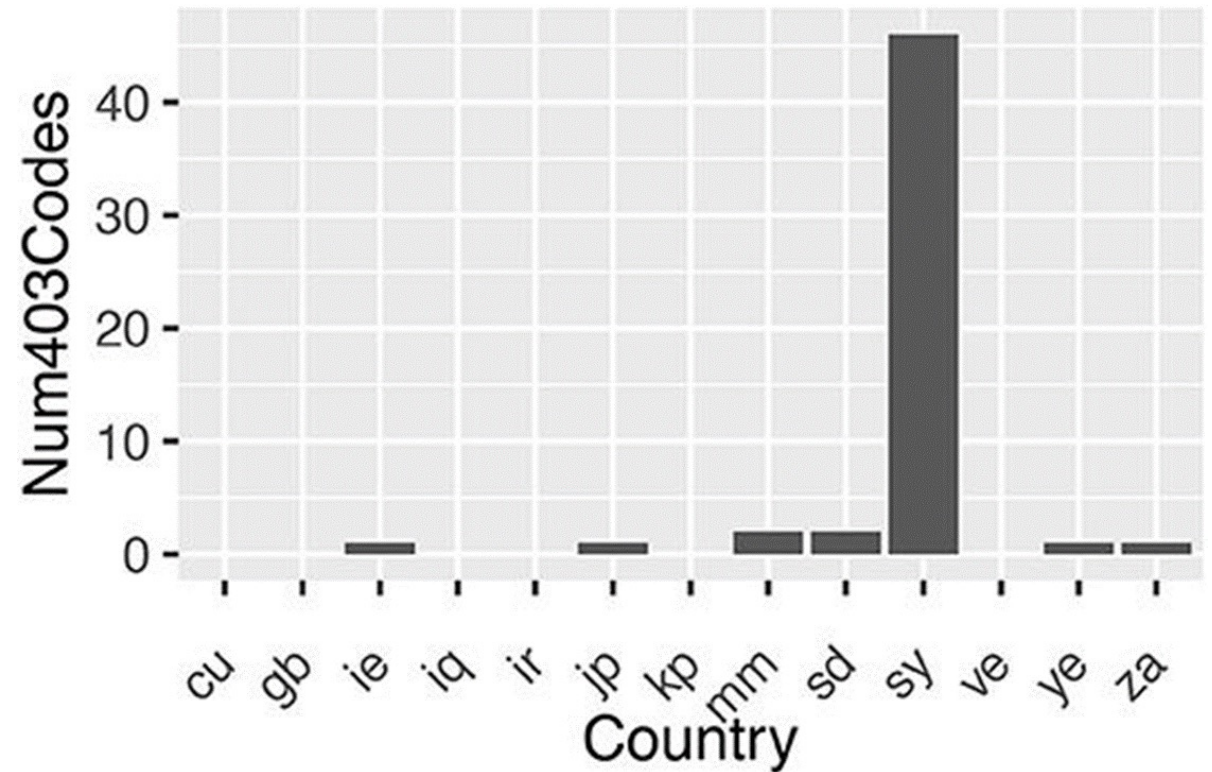
Louise Bezuidenhout and Hugh Shanahan, 2023

# Location of Digital Open Science Tools





Number of URLs that returned a 403 HTTP response status code when the same URL returned a 200 HTTP response status code from US.



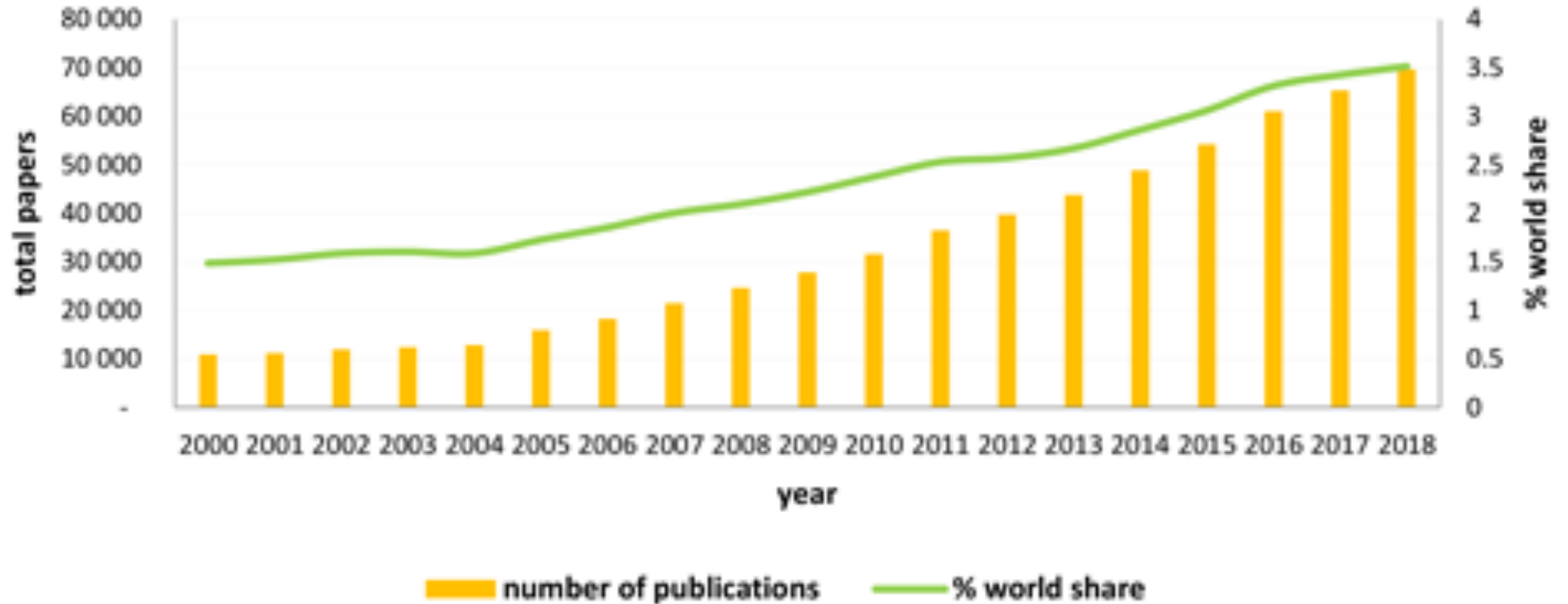
# CoARA membership 17<sup>th</sup> January 2024

## International outreach goals



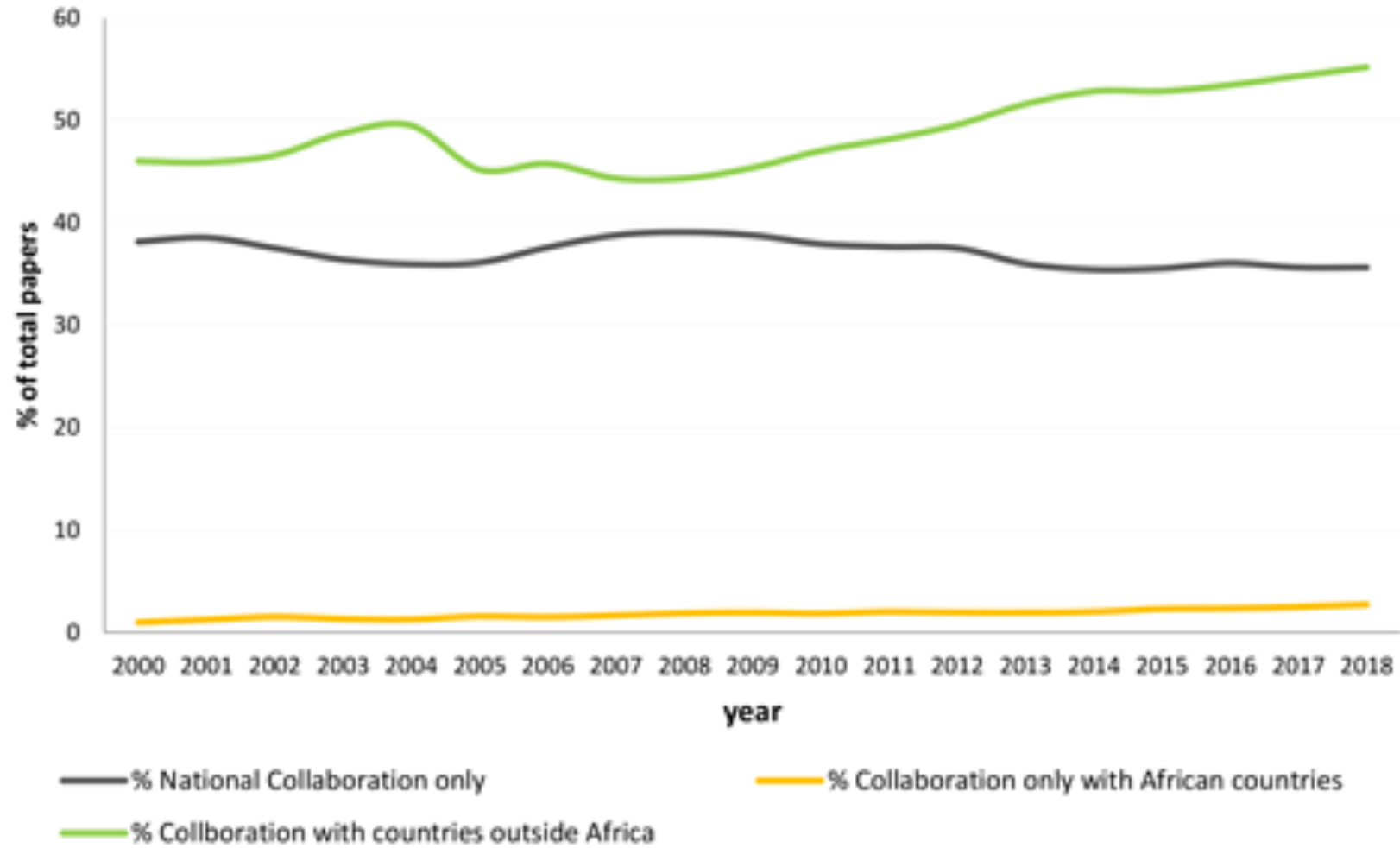
<https://coara.eu/news/coaras-membership-expands-beyond-600-organisations/>

## Africa world share and output of publications (articles and reviews only)



<https://www.universityworldnews.com/post.php?story=20210112144237619>

### Africa publication collaboration profiles



# The African Open Science Platform



- Open science resources:
- Outreach and Engagement
  - Education and capacity development



- Data-intensive science outcomes:
- Global Challenge Projects



- Cutting-edge support:
- Data Science & AI Institute



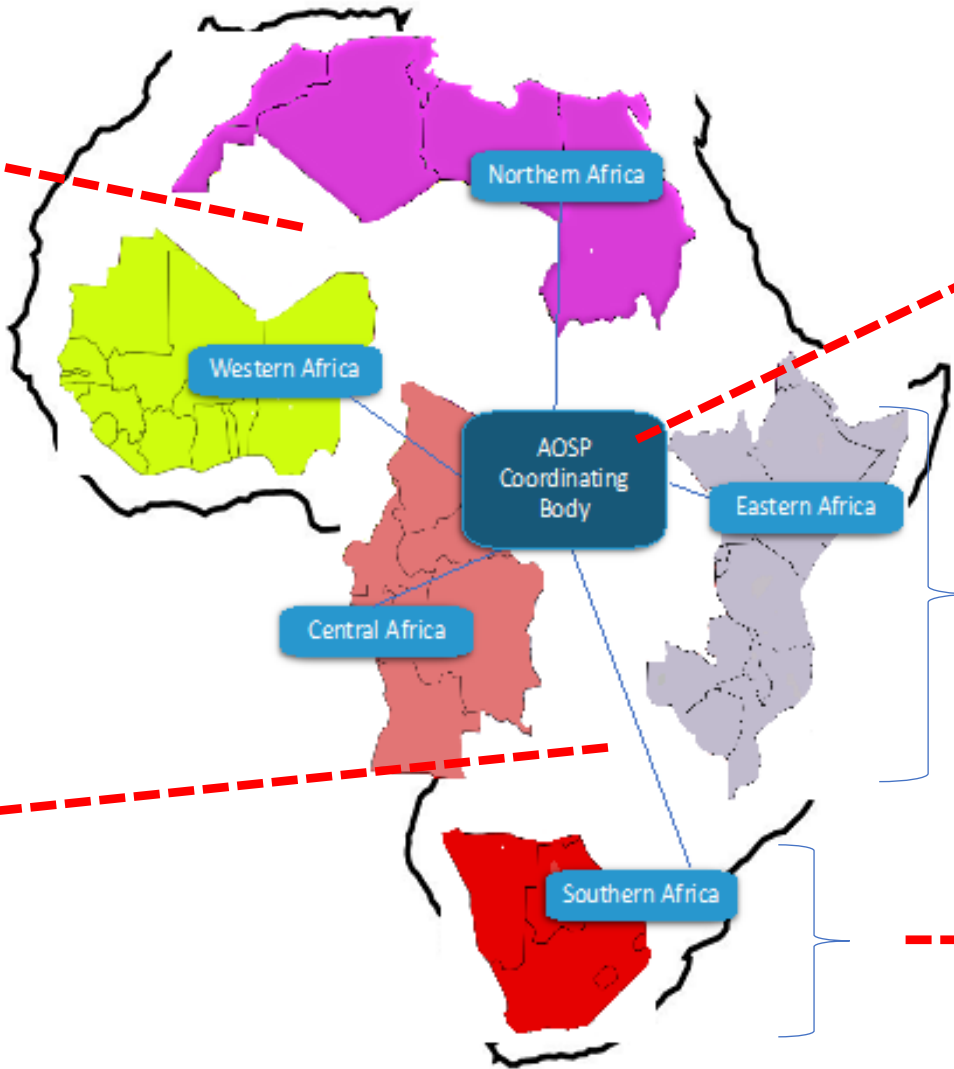
- Essential Infrastructure:
- Cloud Computing
  - Data Management Tools

**Convene and coordinate the interests, ideas, people, institutions and resources for Open Science in and for Africa**

# African Open Science Platform-Nodes



National Authority for Remote Sensing & Space Sciences: EGYPT





National  
Research  
Foundation



International  
Science Council  
Regional Office for Africa

LET'S WORK TOGETHER FOR AFRICA – AND THE WORLD



science & innovation  
Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



CODATA



*African scientists at the cutting edge of knowledge*

